

Utilities and Sustainability Task Force

Report and Recommendations

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Agenda

- Energy Strategy
 - Problem
 - Solution
 - Benefits
 - Costs
 - Next steps
- Broader Context
- Q&A
- Recommendations re Energy Strategy
- Discussion

Energy Strategy

The Problem

- Energy use in San Mateo County is projected to grow 22% in 20 years
- Energy costs will continue to rise, consuming an increasingly large share of civic and household budgets
- Peak demand will increase as summer temperatures climb
- Expensive new power plants and transmission lines will be needed to meet increased demand
- Climate change impacts caused by energy production and use will increase dramatically, both locally and globally

The Solution

- Free services help local governments identify, prioritize and implement energy-saving measures that save money and reduce greenhouse gases
- Businesses and residents actively participate in lowering their own energy use, helping to meet community-wide goals
- Subsidies encourage the increased use of solar, wind and other clean energy sources
 - Less need for new power plants, more energy security, less pollution, lower greenhouse gases

Benefits

- Lower energy use = lower operating costs for local governments, businesses and residents
- Lower energy demand = fewer or no new power plants and transmission lines
- Less overall energy use + cleaner energy sources = reduced greenhouse gas emissions

Costs

- Time
 - Staff and elected officials
- Attention
 - Ongoing, effective
- Money*
 - * Depends on scope and timing of measures adopted

Next Steps

- Continue review of programs, policies and actions that local governments can use to lower overall energy use
- Continue to track state and regional efforts on climate change
- Draft Energy Strategy and circulate for review and approval

The Context: Climate Change

Slides excerpted from
“Climate Change and the Bay Area”

Joint Policy Committee Climate Change Workshops,
Feb. 16 and 23, 2007

Full presentation available at
http://www.abag.ca.gov/jointpolicy/JPC%20Climate%20Change%20Context_files/v3_document.htm

Key Messages

- Climate change is a serious problem globally and locally
- Our actions will affect how much the climate ultimately changes
- The Bay Area has been a leader and will continue to be a leader in climate protection
- Working together, the Bay Area will be a model for California, the nation and the world.

Local Consequences: Sea-level Rise and the Bay



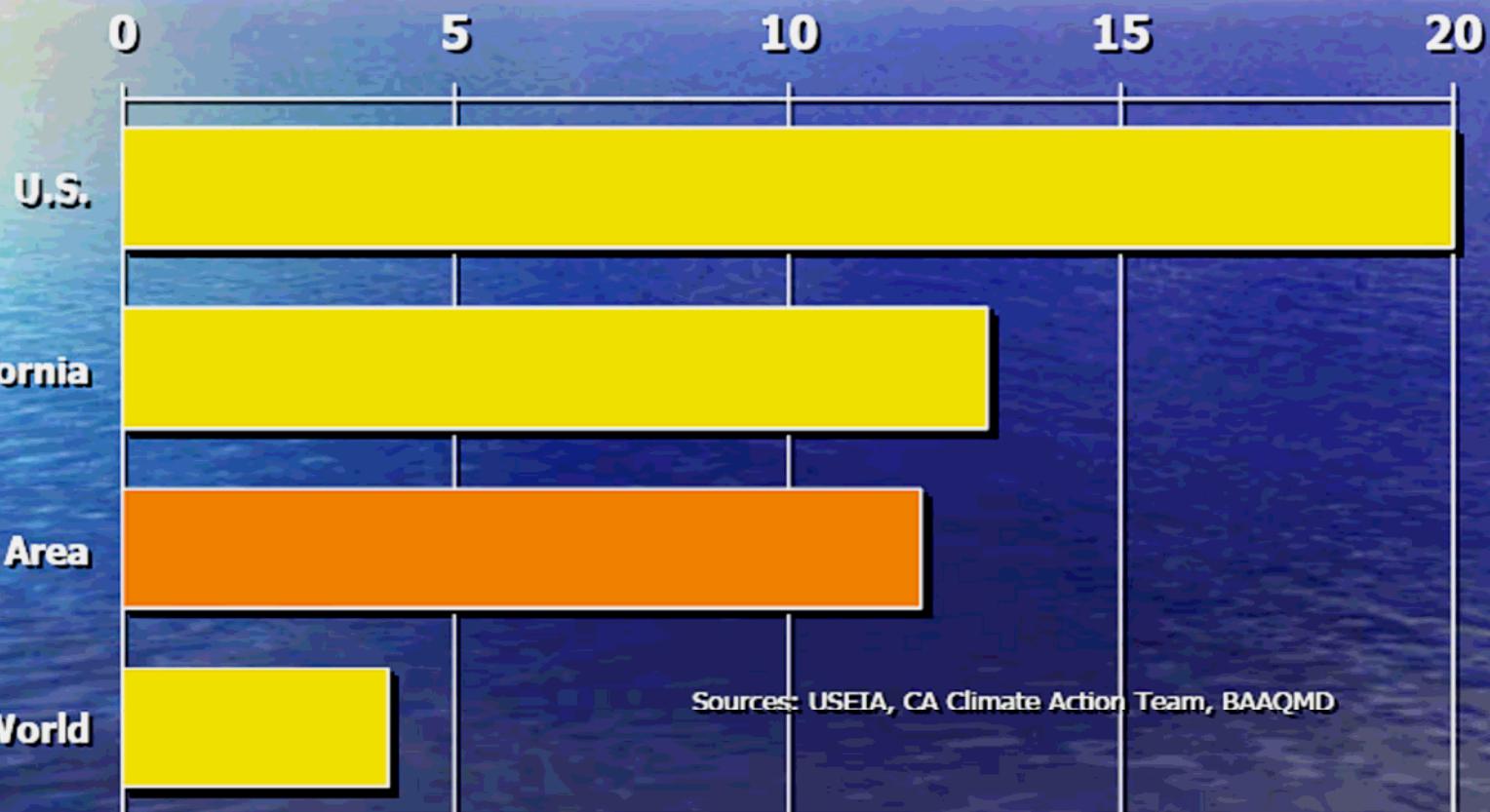
Source: BCDC

Local Consequences: Sea-level Rise and the Bay

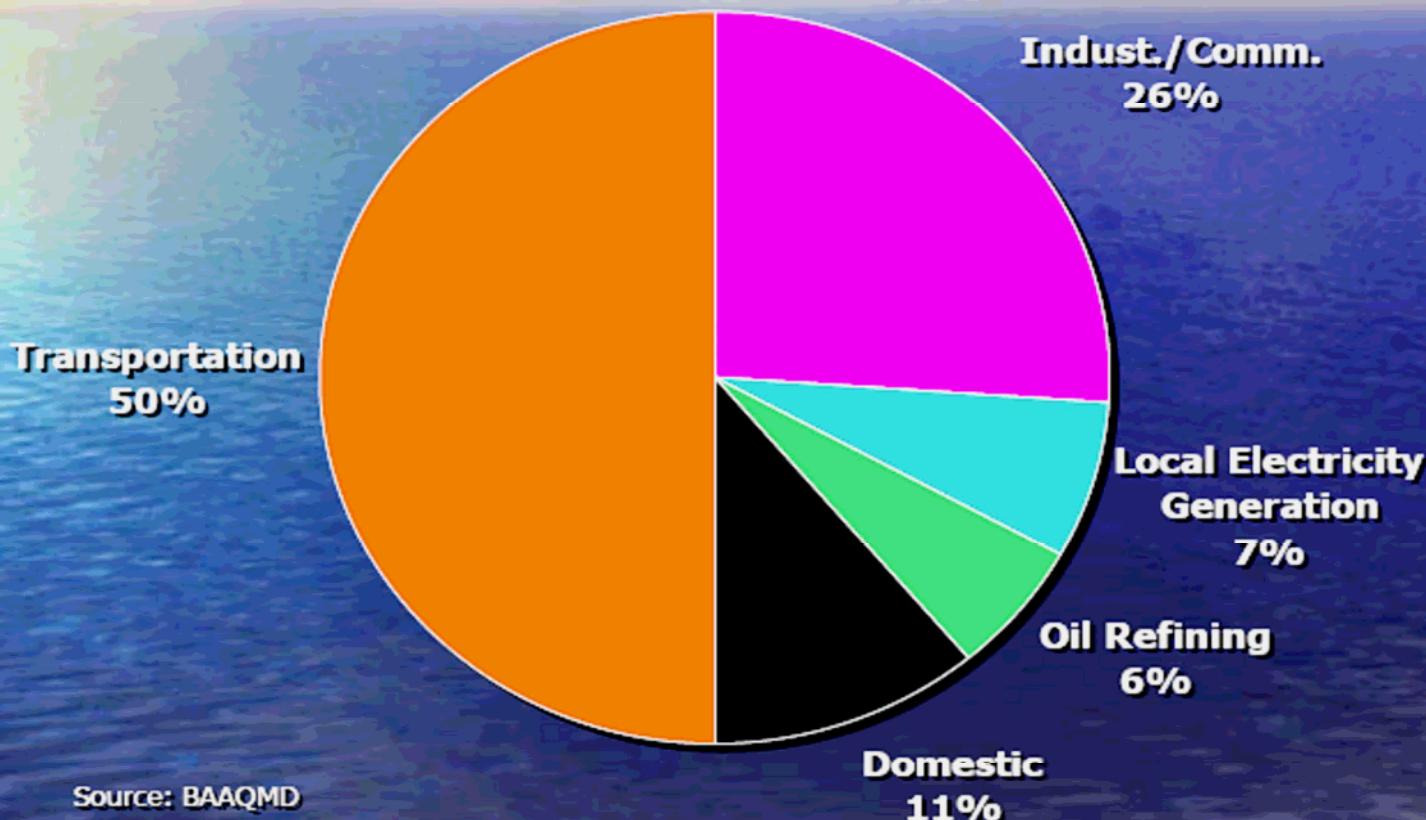


Contributors: CO₂ Emissions per Capita

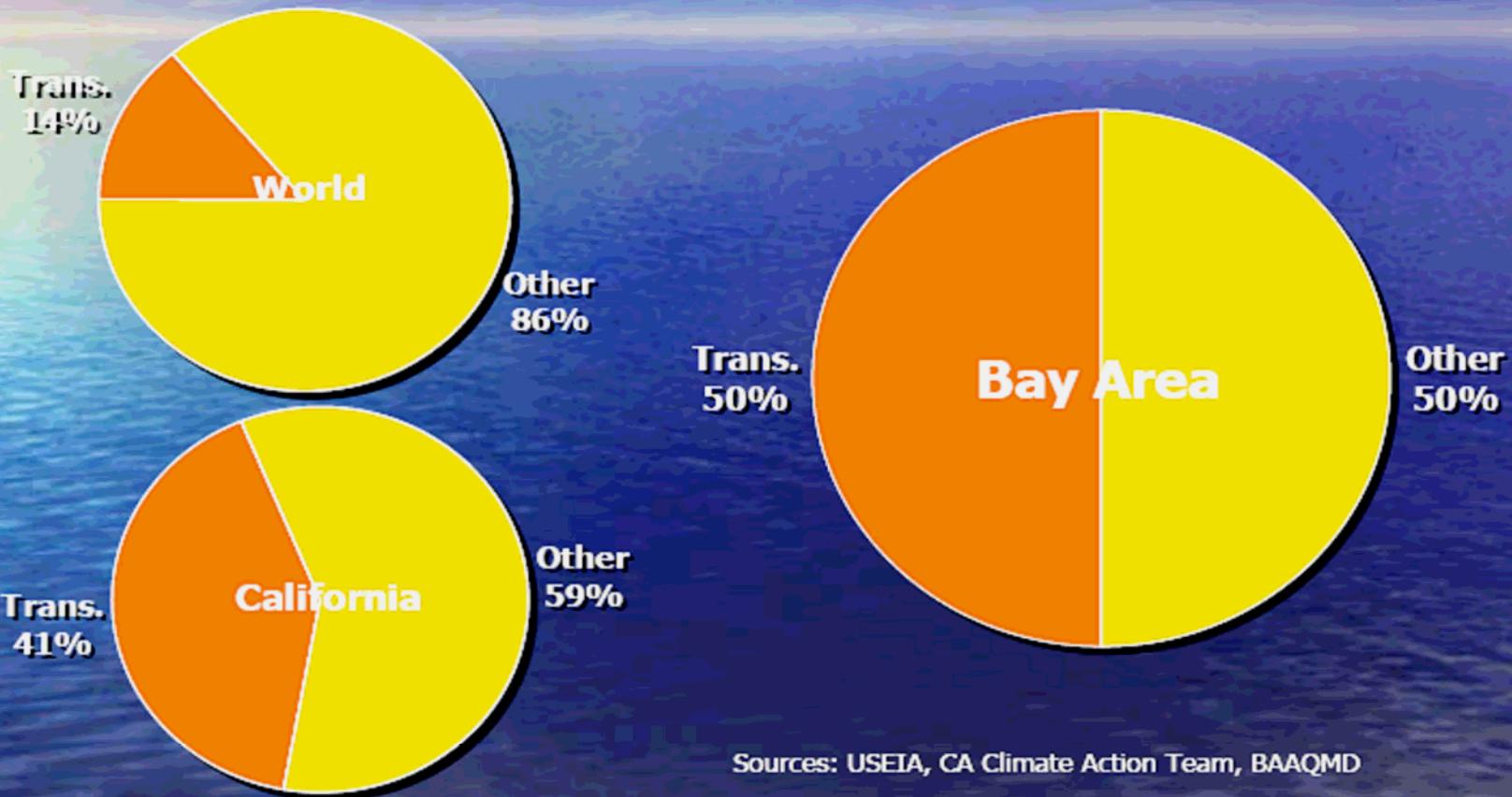
Metric Tons/Year



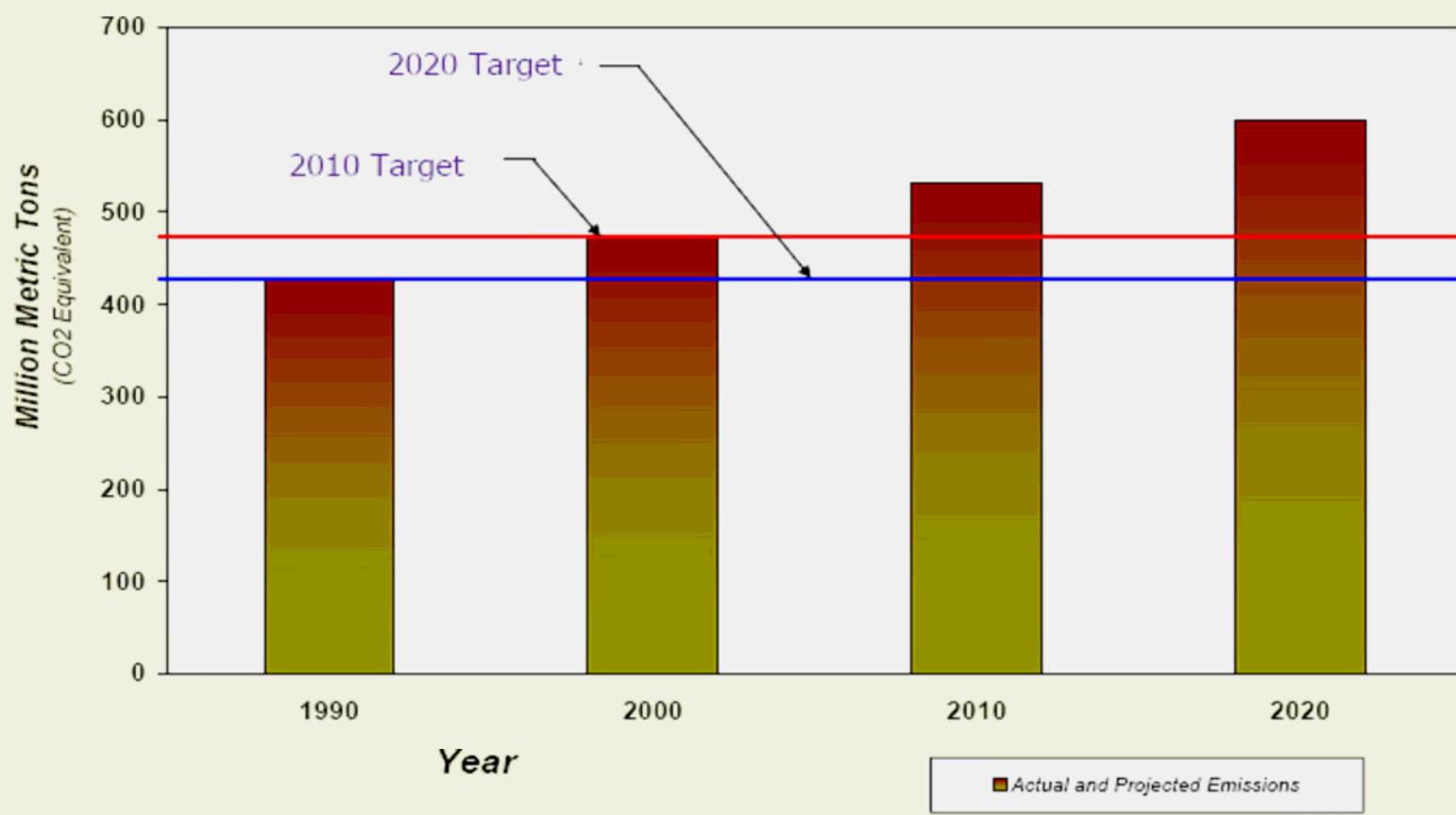
Contributors: Bay Area GHGs



Contributors: GHGs Compared

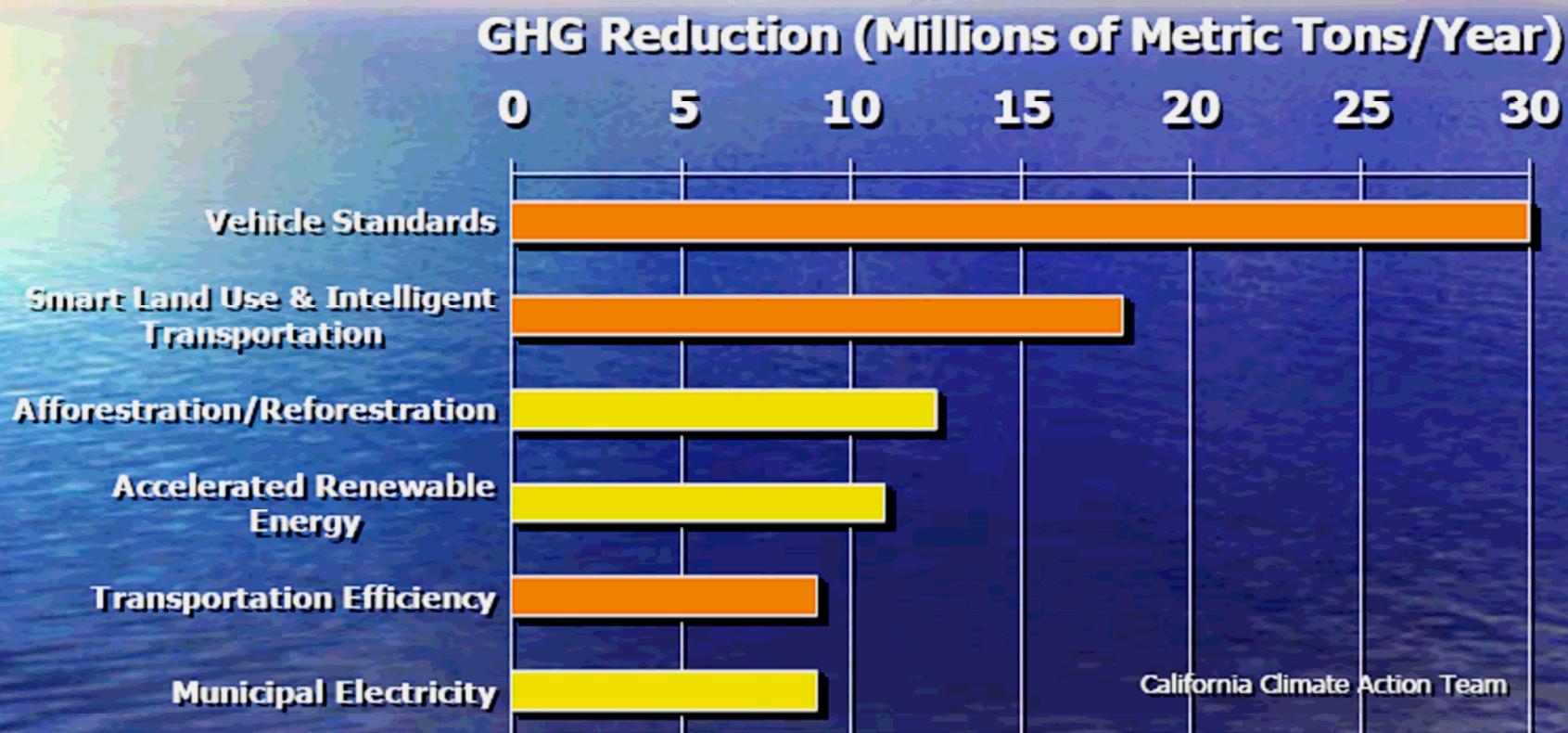


State Targets: 2010 and 2020



California Climate Action Team

Strategies: The State's Initial Top Six



Strategies: Smart Growth & Transportation

- Highly beneficial, and necessary
- But not sufficient—at least in the short term
- 1% annual growth
- In any year, 99% of development is a given
- Big difference in the long term
- But we will need more to meet 2020 target

Strategies: Real Innovation Required

- Targets are aggressive
- No silver bullet
- Will require multiple changes, some fundamental
- Business as usual will not be good enough
- Some strategies will be relatively painless
- Many will be difficult, costly, and contentious
- Either way, it will be a very different world
- Some impacts are inevitable
- It will be tough but doable

Strategies: JPC Approach

- Complete by May 18, 2007
- Concentrate on regional solutions
 - ABAG, BAAQMD, ICCLEI and others are pursuing local actions
- Consider both preventative and adaptive actions
- Do not limit actions to present authorities
- Involve BCDC
- Involve the public
- Inventory first...evaluate second

Q&A

Recommendations

- Approve this Report and submit it to C/CAG for discussion and approval
- Request that C/CAG share this Report with its members and encourage each jurisdiction to pass the Resolution and participate in developing the Energy Strategy
- Suggest that each jurisdiction identify an elected official and staff member to take the lead on energy, water and climate issues
- Begin to consider how to address ongoing energy, water and climate issues

Thank you